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TITLE : WRAPPING FILM AND SHRINK-WRAPPED ARTICLE USING THE SAME

ABSTRACT : PROBLEM TO BE SOLVED: To provide a shrink wrapping film which gives a good finish in a wide temp. range, decreases breaking at a vent hole or a sealed section, and has improved clarity and unsealability by specifying the heat shrinkage, equilibrium heat shrinkage stress, and tear strength and haze after the shrinkage of the film.

SOLUTION: An ethylene copolymer having a density of 0.890-0.940g/cm³ is melt extruded through a circular die and quenched. The resultant unstretched tube is cross-linked by the irradiation with a 2-10 Mrad electron beam, heated to the m.p. of the polymer or higher, stretched in both the longitudinal and transverse directions, and cooled to solidify, thus giving a wrapping film which has a heat shrinkage (according to ASTM D-2732) at 120°C of 30% or higher in both the longitudinal and transverse directions, an equilibrium heat shrinkage stress (according to ASTM D-2838) at 120°C after 10% shrinkage of 30-140g/mm² in both the longitudinal and transverse directions, a tear strength (according to ASTM D-1922) after 10-50% shrinkage of 3-10g in both the longitudinal and transverse directions, and a haze (according to ASTM D-1003) after 10-50% shrinkage of 3% or lower.

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